

عنوان مقاله:

Metal Organic Frameworks (MOFs) Application in Adsorption refrigeration systems

محل انتشار:

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خلاصه مقاله:

Adsorption refrigeration systems are promising refrigeration technology without environmental issues and with low energy consumption. The vital part of this system is adsorbent-adsorbate (refrigerant) pair. In recent years, Metal-Organic Frameworks (MOFs) have attracted researcher's attention because of their extra ordinary porosity and surface area. In our research, different MOFs were synthesized in order to have the role of the adsorbent in a lab-scale adsorption refrigeration system. The as-synthesized sample were characterized by SEM, XRD and BET

کلمات کلیدی:

Keywords: Adsorption refrigeration, Metal-Organic Frameworks (MOFs), adsorbent

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